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(54) Method of manufacturing tires with a segmented belt

(57) The invention relates to a method of constructing tires having functionally graded belts. According to the

method a bandage (60) is used to hold neighboring belt segments (34a,34b) in position so they may be simultaneously applied to a carcass (24).

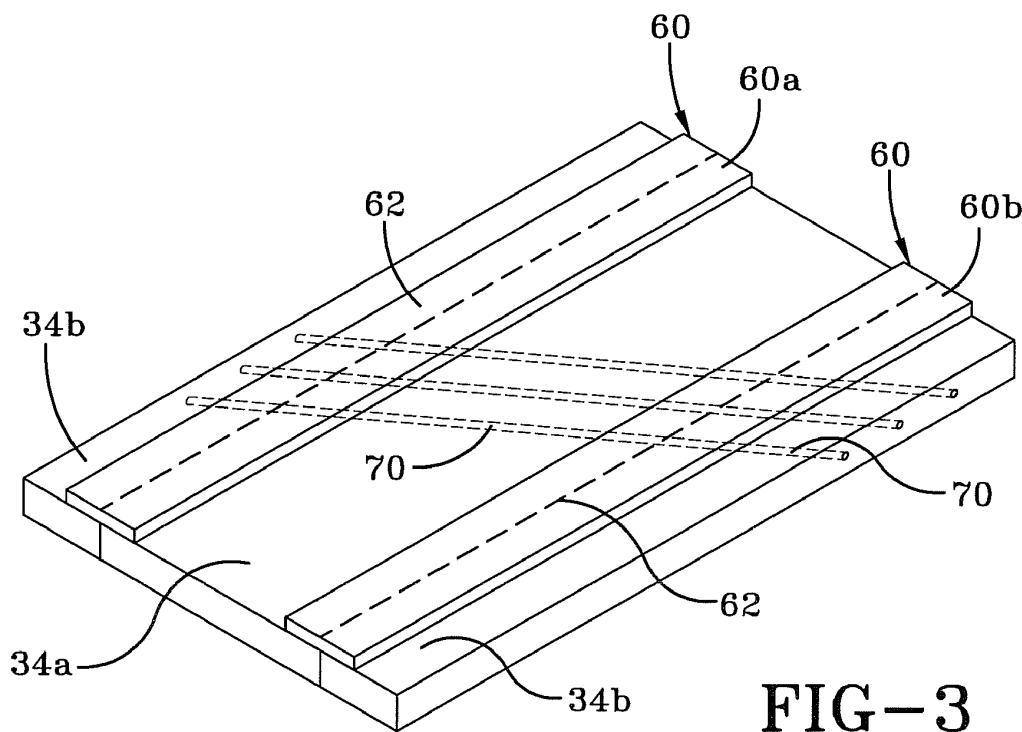


FIG-3



DOCUMENTS CONSIDERED TO BE RELEVANT			
Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim	CLASSIFICATION OF THE APPLICATION (IPC)
D, X	EP 1 211 056 A (THE GOODYEAR TIRE & RUBBER COMPANY) 5 June 2002 (2002-06-05) * paragraphs [0005], [0017], [0020], [0023], [0027] - [0029]; claim 4 *	5, 6	B29D30/44
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X	EP 1 211 058 A (PIRELLI PNEUMATICI SOCIETA PER AZIONI) 5 June 2002 (2002-06-05) * paragraphs [0017], [0018], [0021], [0027] *	5, 6	
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A	US 5 361 819 A (GLINZ ET AL) 8 November 1994 (1994-11-08) * column 2, line 14 - column 4, line 48; figures *	1-6	TECHNICAL FIELDS SEARCHED (IPC)
A	-----		B29D
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The present search report has been drawn up for all claims			
4	Place of search	Date of completion of the search	Examiner
	Munich	7 March 2006	Kopp, C
CATEGORY OF CITED DOCUMENTS		T : theory or principle underlying the invention E : earlier patent document, but published on, or after the filing date D : document cited in the application L : document cited for other reasons & : member of the same patent family, corresponding document	
EPO FORM 1503.03.82 (P04C01)			

**CLAIMS INCURRING FEES**

The present European patent application comprised at the time of filing more than ten claims.

Only part of the claims have been paid within the prescribed time limit. The present European search report has been drawn up for the first ten claims and for those claims for which claims fees have been paid, namely claim(s):

No claims fees have been paid within the prescribed time limit. The present European search report has been drawn up for the first ten claims.

LACK OF UNITY OF INVENTION

The Search Division considers that the present European patent application does not comply with the requirements of unity of invention and relates to several inventions or groups of inventions, namely:

see sheet B

All further search fees have been paid within the fixed time limit. The present European search report has been drawn up for all claims.

As all searchable claims could be searched without effort justifying an additional fee, the Search Division did not invite payment of any additional fee.

Only part of the further search fees have been paid within the fixed time limit. The present European search report has been drawn up for those parts of the European patent application which relate to the inventions in respect of which search fees have been paid, namely claims:

None of the further search fees have been paid within the fixed time limit. The present European search report has been drawn up for those parts of the European patent application which relate to the invention first mentioned in the claims, namely claims:



The Search Division considers that the present European patent application does not comply with the requirements of unity of invention and relates to several inventions or groups of inventions, namely:

1. claims: 1-6

Method of constructing a tire comprising a step of applying a bandage over the edges of two belt segments and simultaneously applying the assembly of the belt segments onto the carcass.

2. claims: 7-10

Method of constructing a tire comprising a step of adjusting the belt ply to create a first belt region with cords that remain at the first orientation and a second belt region with cords at a second orientation.

ANNEX TO THE EUROPEAN SEARCH REPORT
ON EUROPEAN PATENT APPLICATION NO.

EP 05 10 9339

This annex lists the patent family members relating to the patent documents cited in the above-mentioned European search report. The members are as contained in the European Patent Office EDP file on. The European Patent Office is in no way liable for these particulars which are merely given for the purpose of information.

07-03-2006

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